

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:317	Late	LPZ-308	GACGTTGTAAACGACGGCCAGACAATATTGGAAGGGAGAAAGGCGCCAGCAGGG TTGAGGGGAAGAAAATGCATAATGACATATATAATGAGATCTATTTGTATACGATATT ACGGGTACGATCGATGATTGAGCTACGATCCCATACGACGCTAAAGCGTAATTAC ATATATAATAGATGCATTTGAGAATGACTTATCTATTTTATTACGCGATATTATATAC GTAATTACGTATATAATTGCAGAGATCTCACCGACCAACCAATAGTCTTTCATTTT ATCCAGGCGTCCGC
SEQ ID NO:318	Late	LPZ-309	GCGGACGCCTGTATCACTAGAGGTGAATACTCAGCAAGCAAACTGAAGGATATTA TTGAAAAAGCTGTCAAGGCTAAATTGGGTGTCAATTCCTTCATTGATCATGCATGGTT CTACACTTTTGTGTTGAGTCCGGTGATGACATTGAGGAAGATGTTGCTGCACATTAT GCACAAAACCTAGAGAAGACGTTAGCAGAAATTTCCAGTTCCAATCACAAATGGTGT ATTCTTACAGTAGAGGACTACCAGCAAGAGTCTTATGCAGTATTAATATTAAGCAC AGAGATGACTTTGATGAGGAGTCAGGTGGCATTGTACTGTCTGGAGGCGTCCGC
SEQ ID NO:319	Late	LPZ-310	GCGGACGCCTCCTTGTAGATACCATACATGAGTCTAAGATCAAAATCATACAAGAA GAGCTTCATTCCGGGGCCTCACCTTTTCTACAAGCTCCTTTTGGCTGGTGGAAAGC CAAACACTCTGTATCGGAAACACTCCTGCCTAGTTTCAGAATTACACATAAAATCA AGCCGGCAAACCTATCTTTGCCACTGCCATCTTCATTGTTTGCCTGCTGGCCGTGC TTTTACAACGTC
SEQ ID NO:320	Late	LPZ-311	GCGGACGCCTTACTAAAACGACGGCCAGATGTGTAATGGGGAAAATGTGTCATGAT AGTTGGGTACAAATAACGAGCCACCTGCTCTATGTTTTCGAAGTTTTCTGTTGGATT TGTCGGGTGAGAGAGCGTTTCGTTGCGCGAGAGGGGCAAAATGCTGAGCG TGGGGAATTGCCATTGCCGCCCTGGAAGTGCCGCACGAACGCGATCACATTTAA ATCACCATTACTTCATCATCACCATGGTTAAATGCAGTCCCTGCTCCTTCAAACAG GAACTTCAGATCCTTCAAGCTCGAAATCTCCGCCTCTGCTTCTCGAAGACAAGAC TCTGTGAGGAGGAAGCGCAGCAGCTGAGCTTAGCGGATCTGCTGAAGCCCGGTG GCCTCGCCCCGATGGGTTCTCGTACAAGGAGAACTTTACCATACGCTGCTATGAA GTCCGAGTTAAACCGCACTGCCACCATTGAGGCGTCCGC
SEQ ID NO:321	Middle	LPZ-312	GACGTTGTAAACGACGGCCAGCAACCAATAAACCCACATGTGCTCAATGTTTT AGTATAAAAGGAGATGACTTAAGAGTCATTTACACACACTTCTATCTTGATTTCTCT CCACTTGTCTTGGGTTTTAGTGGAAGAGAAATCTAGGAGTGGAAGCCCTAGACGTT GGAGGATAAGAAGGCAACCCTAGAAGGCAGAGCTAACGCTATCCTAAGGCAACCC TAACGCTATCCTAAGGCGTCCGC
SEQ ID NO:322	Late	LPZ-314	GCGGACGCCTGCTCAGCACCTGTTATAGTCATTTCTTTTTCTTTTTCTCATTTTTC TCTTTCGAATGACCGCAATGAAATTCAGGCTGCCCAACGCGTTTTGTTTTACAAT TAATTTTTGAATCATACGCGAAGATCATGATGAGAATGTTGTGGAAAAAACTGTT TGTAATATTTAGGTGACCAACAATTTTCATGATTGCAATCTAAAGTTGATAATTGAT TTATCGGGTCGACATTTGTAATTATTAACACGGAAAACTGAGGCTTACAATTTTTG GATTGTAATATTTAGGTGACGAACAATTTTCATGATTGCAATCTAAAGTTGACAATT GAGTTATCGTGTGACATTTGTAATTATTAACACAAAAATCTATGAGGCGTCCGC
SEQ ID NO:323	Late	LPZ-315	GCGGACGCCTCATCAATCCATGGTTGTACACGCGCCTTCAAAGCGGCTTCCTTATG TCGCGCAGCGTCTACTTGTTCCTTGAGCGCTTTTCCCTGCTACATCCGCGCGAGCC TCTGTGCAAGGGCCACTGTCTGCGCGGTCCCTTTAACTTCGTCGTACTTCTGCTGC AGCTCACGTGTCTCTATTTCTAAGTGCTATATATTTGGGTCCTCCTGCATAGTAGTG AACTTCGAACGACTCCTCAAATAGCCAGGTGTAGTCTTTCATTGCACTATTGATCTC CACTATTCCTGCTATAATGGCGCTAACATGCTGTTTCTTACCTTTGGCGGAGTTG AAGGCTGCGCCTTCTTGGAGCTCGGTTATTTGAAGCTGAACCTTGGGCATATCTTC CTTCACCTCGTGCATCCCCTGCTTCGAGTTTCTGGATGCACGCTCCACTGGGTCT TCTGCTGGGATGGGCAACTCTAAGACCAACTGGTATGCGTCCGC

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:324	Middle	LPZ-318	GCGGACGCCTTCTTCAATCCATCAGGCCTGATTAATGTATTGACCTTCTTTGTCTGA ATGTCATACATTTTTTCACTGCATCCTTGATCTTCTTCTGTCTTGCTTTCTATCCT TTCTCTTGCTTTCTATCCTTTCTCTGGC
SEQ ID NO:325	Late	LPZ-320	GACGTTGTAAAACGACGGCCAGCAAAATTGATATAAAGAATAGACACATCGACTCA AATGAAGTGACTCAACAGTTTCATTAATTCATGTCAGCTTGAATGCATGGACATACAC CCATAAATAGGCAGTTGGGGTCACCCAAAAGAACATAGAAACATCTCGCATCTCTC TGAAGAACTCGGATGGGTACAGGTCTGTGACTTCGCATATTTTGAAGGAGCACTC TCTTGGATAAGTACAATATAGGTACCATCTCGGACTCGCCTGAAATCTCGCAAAGA AGTCTCATTCTCCTCCTTGTTACAGGCGTCCGC
SEQ ID NO 326	Late	LPZ-321	GACGTTGTAAAACGACGGCCAGAAGCATCAATAAAACAAATGACAGATTAACAAGT TCTCTCTTAATCTTAAGAGAATACATCAACATCCAAGTAAAGTCATAACACATTTACA AAATGGTGCCACGGTATCCATTCTCTGTAACAAGGTTTTCTGAAAATAGTTTTCT CTTATCTATGTAACCTTCATAGGGATGCCTGTGTCAACGTGCCATATTTCCCAAATT TGGCCACAATCAAACCTTCTCATTAGAAGAAACAATCTCTGGTCTAGCTCAAAATT GGCAAATTTCCAGCATCTCCCTTAAACATCATTAGAAGGCGTCCGC
SEQ ID NO:327	Early	LPS-097	GGGAGATGCTAATTTGAAGCCCTTCTCTGAAGGTGGACAATTCAGCAGCAGTGGT CTAAAGCCCCAATATGGCTATAGAAATCTTCTGGGGGTTGCACCTATGGAAGAGG GTCGGAGAGGACGAAGCTGTGGATCGCTCTTACCATCTGTGCGGAAGGTGGTAGC AGAATTCATTGGAACGTTCTTCCCTCATATTTGTAGGATGCGGATCTGTGCTTGTGA TAAGATAAGCAACGTTCCATAACTCATCTTGGTGTGTCGCTTGATGGGAATGG CGGCCATGATTGTAATTTATCCCATAGGCCATATTTCTGGAGCTCATTGTAATCCTG CAGTGACGTTGGCCCTTGCGGCTGTGAAGAGATTTCCATGGGTTCCAGGTTCCAGG CTACATAGTAGCTCAAGTATTTGGATCGATATCTGCTGGGTTTCTCTACGTTTCAT GTTTGGAGAAGTGGCATTATGGGAGCCACAGTTCCTCAGGCTCAGAAATGCAGT CTTTCGCTTTGGAATTTACTACGTCATTGTTGGTGTGTTGTTGTTGTTCTGCAGTCG CCACTGATACAAAAGCGGTGGGTGAATTGGGAGGTTCCAGCAATTGGAGCGACCAT CGCAATGAATGTAGCCATATCCGGACCAATCTCAGGAGCTTCAATGAATCCAGCAA GGACAATAGGATCCGCGAGTGGCTGGCAACAAATATACAAGCATTTGGGTTTACATG GTTGGGCTGTAAATCGGTGCGCTAATGGGTGCAATGAGTTATAACATGATTAGAGA GACAAAAATGTCCGAAAGGGAGATTATGAAGAGTGGGTCAATTTGTAAGGACATGG GCTCCAGCGAATCAACAGCATAACAACCTAGAGATTTNTTGCATTCCCGAGACGGT ATCCAGTGATAGTGGAGAGTAGTCATAATAAGATTTGTGAAAATGTTTGTGTAGATT AATGTGTAAATTCATCCATCAACCATGAAGCGAAGTGCATTCCGTTTTTAAATGT TTATTGGATTTGAATTAATAACAGCTTATACGTGAAAATCCCTACTTTATGTACGGA ACTATAGGACGCGTGGTTCGACGGCCGAGCTGGTATCCGATGAAGCTAGATTCT AATGGTTCAAGTCCTATGAAAGCTAGATTGGAGAATTGCAAAGAAATCTAATCTCCG TTAGTTGTCCCAACCACTGACTCGCACCCAATCAGAGTATATTAAGTTAAAGATTA TATAAAGGTAAATTGAACATTTATAAAATCTTAAATGATTTTTAGAGTTAAACATTAT ATAGAATATTTAATGTAGTATAGATATAATAAAATATTAATAATTTCTCTTTACT ATCAAGTGAATAAAAAATAAAAAATAATGTAAGACAATATAATAAAAGACTTGTTTT AGTGCATTTTTTGGACTCTTCGTTATTGTGTGGTATTGTGTTATTTAACTGATCTTT TTACTGTATATATGGATGGGTTACCCATCAAACCTTGATTTCAATAAATTCCTCCC GGATTTTAGAGAAATTAGACCATAAAAACTCACGAAAAAATTTTAGACCATAAAAAAC TCACGAAAAAACTTCCCCAAATCACGCTAAAAACAAGTAGATAAAAAAATACCCA TCTTTGATGATGTGGATAGTGACAGCCTATTCCAAACATCACCTAAATTGTAAGTT ACATGCATAACACGATGACCTCATCTATACGTTGTGCCAAATAAAGGTATGACCGTT CAAATAAAGAATCAACGAGCTCCAACGCATCTTTGCTGTGGGGGATTTCTCAGC GCTTAACATTTCATGGANCCGATTACCTTNCTANCCAACCAAGGGTTTTAACCTGGAA CAAATNCCAACCAATTACCAGCTTNACAAATCAACCGAGCCGCCNACCGGGATC ATTTTGGTCAAGTCTCGAAAACNGGCATTGGGTATATGGNATATGGAATTGGAATT GGATCAATGGTAACCTTGGGANAAGCTTAANTTGGAAANCCCTTTTTTTTGANGGG GGCCAANTTCCCGNCCCCCGG
SEQ ID NO.328	Early	LPS-098	ACTATAGGACGCGTGGTTCGACGGCCGAGCTGGTATCCGATGAAGCTAGATTCT AATGGTTCAAGTCCTATGAAAGCTAGATTGGAGAATTGCAAAGAAATCTAATCTCCG TTAGTTGTCCCAACCACTGACTCGCACCCAATCAGAGTATATTAAGTTAAAGATTA TATAAAGGTAAATTGAACATTTATAAAATCTTAAATGATTTTTAGAGTTAAACATTAT ATAGAATATTTAATGTAGTATAGATATAATAAAATATTAATAATTTCTCTTTACT ATCAAGTGAATAAAAAATAAAAAATAATGTAAGACAATATAATAAAAGACTTGTTTT AGTGCATTTTTTGGACTCTTCGTTATTGTGTGGTATTGTGTTATTTAACTGATCTTT TTACTGTATATATGGATGGGTTACCCATCAAACCTTGATTTCAATAAATTCCTCCC GGATTTTAGAGAAATTAGACCATAAAAACTCACGAAAAAATTTTAGACCATAAAAAAC TCACGAAAAAACTTCCCCAAATCACGCTAAAAACAAGTAGATAAAAAAATACCCA TCTTTGATGATGTGGATAGTGACAGCCTATTCCAAACATCACCTAAATTGTAAGTT ACATGCATAACACGATGACCTCATCTATACGTTGTGCCAAATAAAGGTATGACCGTT CAAATAAAGAATCAACGAGCTCCAACGCATCTTTGCTGTGGGGGATTTCTCAGC GCTTAACATTTCATGGANCCGATTACCTTNCTANCCAACCAAGGGTTTTAACCTGGAA CAAATNCCAACCAATTACCAGCTTNACAAATCAACCGAGCCGCCNACCGGGATC ATTTTGGTCAAGTCTCGAAAACNGGCATTGGGTATATGGNATATGGAATTGGAATT GGATCAATGGTAACCTTGGGANAAGCTTAANTTGGAAANCCCTTTTTTTTGANGGG GGCCAANTTCCCGNCCCCCGG

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO 329	Early	LPS-099	ATACTCAAGCTATGCATCCAACGCGTTGGGAGCTCTCCCTATGGTCGACCTGCAGG CGGCCGCGAATTCACCTAGTGATTAGATGGTAAGAGCGATCCACAGCTTCGTCCCTCT CCGACCCCTCTCCATAGGTGCAACCCCCAGAAGAATTTCTATAGCCATATTGAGGC TTTAGACCACTGGTGCTGGAATTGTCCACCTTCAGAGAAGGGCTTCAAATTAGCAT CTCCAAGTTACATTGATCTATTCTATTTCATATACATATAACAATGCTGCTTCGAGACT GACAAAATGATCCGTTGGCGCTCGTTGATTGTTAGCTGTAATTGTTTGGATTGTTCA GTTAAAGCCTTGTTGGTAGGAGGTAATCGGTCATGAATGTTAGCCGTGAGAATCCT CACAGCAAAAGATGCGTTGGAGCTCGTTGATTCTTTAGTTTGAACGGTCATACCTTT ATTTGGCACAACGTATAGATGAGGTCATCGTGTATGCATGTAACCTACAATTTAGG TGATAGTTTGAATAGGCTGTCACTATCCACATCATCAAAGATGGGTATTTTTATC TAGTTGTTTTAGCGTGATTTTGGGAAGTTTTTTCGTGAGTTTTATGGTCTAAAA TTTTTTCGTGAGTTTTATGGTCTAATTTCTCTAAAAATCCGGGAGGAATTTATTGAA ATCACAAGTTTGATGGGTAAACCCATCCATATATACAGTAAAAAGATCAGTTTACCAG CCCGGGCCGTCGACCACGCGTGCCCTATAGTAATCGAATTCGCCGCGGCCCATG GCGGCCGGGAGCATGCGACGTGCGGCCCAATTGCCCTATAGTGAGTCGTATTAC AATTCAGTGGCCGCGTTTACACGTCGTGACTGGGAAACCTGCGTTACCACCTAAT CGCTTGAGCACATCCCCTTTTCCAGTGNGTAAACGAAAAGGCCCNCCATCGCCT TTCAAAAATTGGCAACTGAANGGGAAGGACCCCT
SEQ ID NO:330	Early	LPS-100	ATACTCAAGCTATGCATCCAACGCGTTGGGAGCTCTCCCATATGGTCGACCTGCAG GCGGCCGCGAATTCACCTAGTGATTAGATGGTAAGAGCGATCCACAGCTTCGTCCC CTCCGACCCCTCTCCATAGGTATAAAACCCAGAATTTGGTGAGCAGGAAGAATTTCT CATAGCCATATTGAGGCTTTACACCACTGCTGCTCGAATTGTCCACCTTCAGAGAA GGGCTTCAAATTAGCATCTCCAAGTTACATGGATCTATTCTATTTCATATTTATAAC AATGCTGCTTCGAGACTGACAAAATTATTTGTTGGCGCTTGTTTCATCGTTAGCTGTA ATGGTTTGGATTGTTCAAGTGAGGACAGCCCGGGCCGTCGACCACGCGTGCCCT ATAGTAATCGAATTCGCCGCGGCCCATGGCGGCCGGGAGCATGCGACGTGCGG CCCAATTCGCCCTATAGTGAGTCGTATTACAATTCACTGGCCGTCGTTTTACAACGT CGTGACTGGGAAAACCCCTGGCGTTACCCAACCTAATCGCCTTGACGACATCCCCC TTTGCCAGCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAG TTGCGCAGCCTGAATGGCGAATGGACGCGCCCTGTAGCGGCGCATTAAGCGCGG CGGGTGTGGTGGTTACGCGCAGCGTGACCGCTACACTTGCCAGCGCCCTAGCGC CCGCTCCTTTTCGCTTTCTTCTTCTTCTCGCCACGTTGCGCCGGCTTTCCCGCTC AAGCTCTAAATCGGGGGCTTCTTTAGGGTTCGATTTAATGCTTTACGGCACCCCT CGACCCCAAAAAAATTTGATTAGGGGTGATGGGTACAGTGGGCGCATCGCCCT TGATAGACGGTTTTTCGCCCTTTGACGNTGGAAGTCCACGTTTNTTTAATAGNGGG ACTCTTGTTCAAATGGGACAACACTTCAAACCTTTTTTGGGNTATTTTTTTTGTAT TTATNAAGGGATTTTTGCCGNNTTTNGGGCTTTTGG
SEQ ID NO:331	Early	LPS-101	ACTATAGGGCAGCGTGGTTCGACGGCCCCGGCTGGTTTCAATAAATTCCTCCCGG ATTTTAGAGAAATTAGACCATAAAAACTCACGAAAAAATTTTAGACCATAAAAACTC ACGAAAAAACTTCCCCAAAATCACGCTAAAAACAAGTATAAAAAATACCCATC TTTGATGATGTGGATAGTGACAGCCTATTCCAAACTATCACCTAAATTGTAAGTTAC ATGCATAACAGATGACCTCATCTATACGTTGTGCCAAATAAAGGTATGACCGTTCA AACTAAAGAATCAACGAGCTCCAACGCATCTTTGCTGTGAGGATTCTCACGGCTA ACATTTCATGACCGATTACCTCCTACCAACAAGGCTTTAACTGAACAATCAAACAAT TACAGCTAACAATCAACGAGCGCCAACGGATCATTTTGTAGTCTCGAAGCAGCAT TGTATATGTATATGAATAGAATAGATCAATGTAACCTGGAGATGCTAATTTGAAGC CTTCTCTGAAGGTGGACAATTCCAGCACCAGTGGTCTAAAGCCTCAATATGGCTA TAGAAATCTTCTGGGGTTGCACCTATGGAAGAGGGTCGGAGAGGACGAAGCTG TGGATGCTCTTACCATCT

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